BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Zone, Electrical Division

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule B"

Name of Work:- Maintenance Repairs & Providing Aerial Bunched cable and Street lighting and automatic timer controller to Major sandeep unikrishna road to Ms Palya by using tubular poles to Yelahanka constituency area in Ward No 03

Sl.No	Qty	Description Of Work	Unit	Approved Rates	
				In figures	In words
1	1900	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	110.00	Rupees One Hundred Ten Only
2	1900	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	Per Mtr	7.00	Rupees Seven Only
3	10	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	Nos	370.00	Rupees Three Hundred Seventy Only
4	10	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	Nos	250.00	Rupees Two Hundred Fifty Only
5	10	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	Nos	700.00	Rupees Seven Hundred Only
6	10	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	Nos	200.00	Rupees Two Hundred Only
7	5	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos	1000.00	Rupees One Thousand Only
8	10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole 8Mtr and above street light pole.	Nos	640.00	Rupees Six Hundred Forty Only
9	150	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 25 sqmm	Mtrs	160.00	Rupees One Hundred Sixty Only
10	150	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm to 75 sqmm	Mtrs	10.00	Rupees Ten Only
11	125	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	65.00	Rupees Sixty Five Only
12	70	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Mtrs	120.00	Rupees One Hundred Twenty Only
13	49	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs	200.00	Rupees Two Hundred Only
14	90	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	Mtrs	800.00	Rupees Eight Hundred Only
15	25	2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	Nos	150.00	Rupees One Hundred Fifty Only

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16	25	Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	Nos	175.00	Rupees One Hundred Seventy Five Only
17	24	Suspension Clamp Assembly16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	175.00	Rupees One Hundred Seventy Five Only
18	4	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	Nos	200.00	Rupees Two Hundred Only
19	24	Fixing of 2 Pin cross arm with insulator and Braces fixing	Nos	100.00	Rupees One Hundred Only
20	24	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	Nos	100.00	Rupees One Hundred Only
21	24	Installation of Insulation piercing connector for main to street lightMain : 16-95sqmm, Tap : 1.5-10sqmm(EP95)	Nos	100.00	Rupees One Hundred Only
22	4	Fixing of Universal Hook/Dead end clamp	Nos	100.00	Rupees One Hundred Only
23	210000	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with necessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm	0.30	Rupees And Paise Thirty Only
24	10	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Nos	3000.00	Rupees Three Thousand Only
25	7	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos	45000.00	Rupees Forty Five Thousand Only

I am prepared to take up the above work at rates quoted in the Schedule 'B'

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Contractor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone